

GenCore version 5.1.6  
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OM protein - protein search, using sw model

Run on: June 5, 2003, 14:00:01 ; Search time 15.2727 Seconds  
(without alignments)  
445.022 Million cell updates/sec

Title: US-09-840-795-19

Perfect score: 1273

Sequence: 1 MDQGENYWDQMGRCVTCOR.....AQLFSDSYPIPDQGGPEM 231

Scoring table:

BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 262574 seqs, 29422922 residues

Total number of hits satisfying chosen parameters: 262574

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

Issued\_Patents\_AA:\*  
1: /cgn2\_6/prodata/1/1aa/5A\_COMB.pep:\*  
2: /cgn2\_6/prodata/1/1aa/5B\_COMB.pep:\*  
3: /cgn2\_6/prodata/1/1aa/6A\_COMB.pep:\*  
4: /cgn2\_6/prodata/1/1aa/6B\_COMB.pep:\*  
5: /cgn2\_6/prodata/1/1aa/PCUTUS\_COMB.pep:\*  
6: /cgn2\_6/prodata/1/1aa/Backfiles1.pep:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	443	34.8	210	4	US-09-286-529-3
2	395.5	31.1	151	4	US-09-286-529-4
3	199.5	15.7	448	4	US-09-342-681C-17
4	199.5	15.7	448	4	US-09-342-681C-19
5	153.5	12.1	260	4	US-09-006-353A-8
6	153.5	12.1	260	4	US-09-006-353A-6
7	152.5	12.0	415	4	US-09-006-353A-6
8	152.5	12.0	415	4	US-09-573-986-6
9	150.5	11.8	186	1	US-08-089-458B-6
10	145.5	11.4	455	1	US-08-050-319B-25
11	145.5	11.4	455	1	US-08-321-668-2
12	145.5	11.4	455	1	US-08-837-941-2
13	145.5	11.4	455	2	US-08-126-016-2
14	145.5	11.4	455	2	US-08-465-982-25
15	145.5	11.4	455	2	US-08-815-469-5
16	145.5	11.4	455	4	US-09-006-353A-3
17	145.5	11.4	455	4	US-09-527-236A-5
18	145.5	11.4	455	4	US-08-054-970-2
19	145.5	11.4	455	4	US-09-565-918-4
20	145.5	11.4	455	4	US-09-573-986-3
21	144	11.3	909	4	US-09-013-895A-4
22	144	11.3	909	4	US-09-448-868-4
23	142	11.2	419	4	US-08-509-024-7
24	142	11.2	419	4	US-09-333-279-7
25	142	11.2	625	3	US-08-996-139-15
26	142	11.2	625	3	US-08-995-659-15
27	142	11.2	625	4	US-09-215-649A-15

28	142	11.2	625	4	US-09-577-780-15	Sequence 15, App1
29	141.5	11.1	283	4	US-08-509-024-2	Sequence 2, App1
30	141.5	11.1	283	4	US-09-333-279-2	Sequence 2, App1
31	141.5	11.1	283	4	US-09-072-993C-2	Sequence 2, App1
32	140.5	11.0	283	5	PCT-US96-12374-2	Sequence 2, App1
33	137	10.8	453	4	US-09-086-483A-5	Sequence 5, App1
34	137	10.8	518	4	US-08-385-229-4	Sequence 4, App1
35	134.5	10.6	471	4	US-09-513-007-2	Sequence 2, App1
36	132.5	10.4	355	1	US-08-292-549-6	Sequence 6, App1
37	132.5	10.4	355	4	US-09-006-353A-14	Sequence 14, App1
38	132.5	10.4	355	4	US-09-573-986-14	Sequence 14, App1
39	132.5	10.4	461	1	US-08-385-229-2	Sequence 2, App1
40	132.5	10.4	461	2	US-08-650-000-2	Sequence 2, App1
41	132.5	10.4	461	4	US-09-042-785A-7	Sequence 7, App1
42	132.5	10.4	461	4	US-08-477-347-3	Sequence 3, App1
43	132.5	10.4	461	4	US-09-006-353A-4	Sequence 4, App1
44	132.5	10.4	461	4	US-08-476-862-2	Sequence 2, App1
45	132.5	10.4	461	4	US-09-573-986-4	Sequence 4, App1

#### ALIGNMENTS

```
RESULT 1
US-09-286-529-3
; Sequence 3, Application US/09286529
; Patent No. 6297367
; GENERAL INFORMATION:
; APPLICANT: Catheline Tribouley
; TITLE OF INVENTION: NEW MEMBERS OF TNF AND TNFR FAMILIES
; FILE REFERENCE: 1408.003/200130.439C1
; CURRENT APPLICATION NUMBER: US/09/286,529
; CURRENT FILING DATE: 1999-04-05
; NUMBER OF SEQ ID NOS: 25
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 3
; LENGTH: 210
; TYPE: PRT
; ORGANISM: human
US-09-286-529-3

Query Match      34.8%; Score 443; DB 4; Length 210;
Best Local Similarity 47.4%; Pred. No. 1.2e-35;
Matches 72; Conservative 28; Mismatches 52; Indels 0; Gaps 0;

QY      2 DCQENYWDQMGRCVTCQRCGPQELSKDCGYEGGDATCTACPPRRYSSMGHHKQSC 61
         11::: 11: 11: 11: 11: 11: 11: 11: 11: 11: 11: 11: 11: 11: 11:
Db      33 DCRQGFKDRSGNCVLCQCGPQEMELSKDCGYEGGDATCTACPPRRYSSMGHHKQSC 92
QY      62 ITCVAVINRQKVCFTATSNVAGDCLPRFRKTRIGLDOECIPCTKQPTSEVOCAPQ 121
         11: 11: 11: 11: 11: 11: 11: 11: 11: 11: 11: 11: 11: 11: 11:
Db      93 ADCALVNRQKVCFTATSNVAGDCLPRFRKTRIGLDOECIPCTKQPTSEVOCAPQ 152
QY      122 LSLVEDAPTPPEQATLVALVSSLVFTLA 153
         11: 11: 11: 11: 11: 11: 11: 11: 11: 11: 11: 11: 11: 11:
Db      153 VNLVKISSVSPRDVAVAVICALATVLLA 184

RESULT 2
US-09-286-529-4
; Sequence 4, Application US/09286529
; Patent No. 6297367
; GENERAL INFORMATION:
; APPLICANT: Catheline Tribouley
; TITLE OF INVENTION: NEW MEMBERS OF TNF AND TNFR FAMILIES
; FILE REFERENCE: 1408.003/200130.439C1
; CURRENT APPLICATION NUMBER: US/09/286,529
; CURRENT FILING DATE: 1999-04-05
; NUMBER OF SEQ ID NOS: 25
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 4
; LENGTH: 151
; TYPE: PRT
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RESULT 8  
US-09-573-986-6  
; Sequence 6, Application US/09573986  
; Patent No. 6455040  
; GENERAL INFORMATION:  
; APPLICANT: Wei, Ying-Fel  
; APPLICANT: Ni, Jian  
; APPLICANT: Gentz, Reiner  
; APPLICANT: Ruben, Steven  
; TITLE OF INVENTION: Tumor Necrosis Factor Receptor 5  
; FILE REFERENCE: 1488.1280004  
; CURRENT APPLICATION NUMBER: US/09/573.986  
; NUMBER OF SEQ ID NOS: 27  
; SOFTWARE: Patentin Ver. 2.1  
; SEQ ID NO 6  
; LENGTH: 415  
; TYPE: prt  
; ORGANISM: Homo sapiens  
US-09-573-986-6

Query Match 12.0%; Score 152.5; DB 4; Length 415;  
Best Local Similarity 25.3%; Pred. No. 5.5e-07;  
Matches 74; Conservative 31; Mismatches 99; Indels 89; Gaps 20;  
QY 4 QENFYWDQWRCVTCQRCGPQGLSKDQGYGGGDAYCTACPPRRYKSSMGH-HKCSQCI 62  
DB 46 QDKREYEPH-HDYCCSKCPGEFVAVCSRSQ--DYCKTCPHNSYEHNNHLSLTCQLCR 102  
QY 63 TCANINRVQKY-NCITASNACVGCCLPRFRKTKIGLQ--DQECIPC----- 107  
DB 103 PCDIVLDFEEVAPCTSDRKAC-RQCP-----QMSCVYLIDNECVHCEEEERLYLQCP 152  
QY 108 -TKQTPSEV-----OCAFLSLVEADAP-----T 131  
DB 153 GTEAEVDEIDMDVNCVPCQKHGQNTSSPRARQCHTCEIQ-GLVEA-ARGTSTSDT 210  
QY 132 V--PPOEATLVALVSSLVFTLAFGLFELYCKQFFNRH--CQRGGLAQEPADXTAK 185  
DB 211 ICKNPBPGRAMLALAILSLVFLFTV--LACA--WMRHPSLCRIKGLT-LKRHPGE 265  
QY 186 EESLFPPV--PSKETSAE-----SQVSNAPGSLAFSLDSYPIRQOQOQGP 229  
DB 266 ESPCPAPRADPHPDIAEPILLPMSGDLSPSPAGPPTAPSLIEVVL--QOQSP 316

RESULT 9  
US-08-089-458B-6  
; Sequence 6, Application US/08089458B  
; Patent No. 5353039  
; GENERAL INFORMATION:  
; APPLICANT: Smith, Craig  
; APPLICANT: Goodwin, Raymond  
; TITLE OF INVENTION: Isolated Poxvirus A53R-Equivalent Tumor  
; NUMBER OF SEQUENCES: 7  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Patricia Anne Perkins, Immunex Corporation  
; STREET: 51 University Street  
; CITY: Seattle  
; STATE: Washington  
; COUNTRY: U.S.A.  
; ZIP: 98101  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: Apple Macintosh  
; OPERATING SYSTEM: Apple Operating System 7.1  
; SOFTWARE: Microsoft Word, Version #5.1a  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/089,458B  
; FILING DATE: 07/09/93  
; CLASSIFICATION: 514  
; ATTORNEY/AGENT INFORMATION:

NAME: Perkins, Patricia A.  
REGISTRATION NUMBER: 34,693  
REFERENCE/DOCKET NUMBER: 2608  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (206) 587-0430  
TELEFAX: (206) 233-0644  
TELEX: 756822  
INFORMATION FOR SEQ ID NO: 6:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 186 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-089-458B-6

Query Match 11.8%; Score 150.5; DB 1; Length 186;  
Best Local Similarity 35.1%; Pred. No. 3.2e-07;  
Matches 40; Conservative 13; Mismatches 44; Indels 17; Gaps 8;  
QY 3 COENFYWDQ-WGRCVTCQRCGPQGLSKDQGYGGGD-AYCTACPPRRYKSS--SMGH 56  
DB 37 CDGGEYLDKTHNQC--CNRCPPGEFAKIRC---SGSDNTKCEKCPPTTYTVENYNSGCH 91  
QY 57 KCQSCITCAVINRVQKYNCTATSNACVGCCLPRFRYKTRIGLQD-QECIPCTK 109  
DB 92 QCRKCPY---GSFDKVKCTGTQNSKC-SELPGMFCATDSKTEDCRDICPKRK 140

RESULT 10  
US-08-050-319B-25  
; Sequence 25, Application US/08050319B  
; Patent No. 5633145  
; GENERAL INFORMATION:  
; APPLICANT: M.F.C. Turner, P.W. Gray,  
; APPLICANT: M.J.C. Turner, F.M. Brennan  
; TITLE OF INVENTION: Modified human TNFalpha (Tumor  
; TITLE OF INVENTION: Necrosis Factor alpha) Receptor  
; NUMBER OF SEQUENCES: 57  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Reed & Robbins  
; STREET: 635 Bryant Street  
; CITY: Palo Alto  
; STATE: California  
; COUNTRY: USA  
; ZIP: 94301  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patentin Release #1.0, version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/050,319B  
; FILING DATE: 10-May-1993  
; CLASSIFICATION: 435  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Robbins, Roberta L.  
; REGISTRATION NUMBER: 33,208  
; REFERENCE/DOCKET NUMBER: 5150-0030  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (415) 617-8999  
; TELEFAX: (415) 327-3231  
; INFORMATION FOR SEQ ID NO: 25:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 455 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-050-319B-25

Query Match 11.4%; Score 145.5; DB 1; Length 455;  
Best Local Similarity 21.3%; Pred. No. 2.9e-06;  
Matches 66; Conservative 36; Mismatches 109; Indels 99; Gaps 14;



TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-837-941-2

Query Match 11.4%; Score 145.5; DB 1; Length 455;  
Best Local Similarity 21.3%; Pred. No. 2.9e-06;  
Matches 66; Conservative 36; Mismatches 109; Indels 99; Gaps 14;

QY 3 COENYMDQRCVTCORCGPQGLSKDCGYEGGDACVACPPRRYKSMGH-HKQSC 61  
DB 44 CPGKXIHPPONNSICCTCKHGYLYNDGP-GPGDDTCRCCESSFTASENHLRHCLSC 102  
QY 62 ITC-AVINRQKNCATASNAVCGDCLPRFRK----- 93  
DB 103 SKCRKEMQVEISSCTVDRTVCG-CRKNQYRHVWSENLFQCFNCSLCLNGTVHLSQCK 161  
QY 94 -----TRIGG--LQDOECIPCTKQPTSEVQCAFOLSLVADAPVPPQBAT-----L 139  
DB 162 QNTVCTCHAGFFLENECVSCS-----NCKKSLCTKLCIPQIENVKGTEDSGTVL 213  
QY 140 VALVSSL-LVFTLAFGLFELYCK---QFENRHC-----ORGILQFEADTKAKESLF 190  
DB 214 LPLVIFFGICLSLFTIGLMRYQRMKSKLISYVCGSTPEKEGELGTTTKPLAPNPSF 273  
QY 191 -----PVPPSKETSASQVSMAPGS-----LAQLFS 216  
DB 274 SPTPGFTPTLGFSPVPSSTFTSSS---TYTPGDCPNFAAPREVAPPYGADPILATATA 330  
QY 217 LDSVPPIPOOQ 226  
DB 331 SDPIPNPLOK 340

## RESULT 13

US-08-126-016-2  
Sequence 2, Application US/08126016  
Patent No. 5811261  
GENERAL INFORMATION:  
APPLICANT: WALLACH, DAVID  
APPLICANT: NOPHAR, YARON  
APPLICANT: KEMPER, OLIVER  
APPLICANT: ENGELMANN, HARTMUT  
APPLICANT: BRAKEBUSCH, CORD  
APPLICANT: ADERKA, DAN  
TITLE OF INVENTION: EXPRESSION OF THE RECOMBINANT TUMOR  
TITLE OF INVENTION: NECROSIS FACTOR BINDING PROTEIN I (TBP-1)  
NUMBER OF SEQUENCES: 26  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Browdy and Neimark  
STREET: 419 Seventh Street, N.W., Suite 300  
CITY: Washington  
STATE: DC  
COUNTRY: USA  
ZIP: 20004  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/126,016  
FILING DATE: 24-SEP-1993  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 07/625668  
FILING DATE: 13-DEC-1990  
ATTORNEY/AGENT INFORMATION:  
NAME: BROWDY, ROGER L.  
REGISTRATION NUMBER: 25,618  
REFERENCE/DOCKET NUMBER: WALLACH4  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 202-628-5197  
TELEFAX: 202-737-3528

TELEX: 248633  
INFORMATION FOR SEQ ID NO: 2:

SEQUENCE CHARACTERISTICS:  
LENGTH: 455 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-126-016-2

Query Match 11.4%; Score 145.5; DB 2; Length 455;  
Best Local Similarity 21.3%; Pred. No. 2.9e-06;  
Matches 66; Conservative 36; Mismatches 109; Indels 99; Gaps 14;

QY 3 COENYMDQRCVTCORCGPQGLSKDCGYEGGDACVACPPRRYKSMGH-HKQSC 61  
DB 44 CPGKXIHPPONNSICCTCKHGYLYNDGP-GPGDDTCRCCESSFTASENHLRHCLSC 102  
QY 62 ITC-AVINRQKNCATASNAVCGDCLPRFRK----- 93  
DB 103 SKCRKEMQVEISSCTVDRTVCG-CRKNQYRHVWSENLFQCFNCSLCLNGTVHLSQCK 161  
QY 94 -----TRIGG--LQDOECIPCTKQPTSEVQCAFOLSLVADAPVPPQBAT-----L 139  
DB 162 QNTVCTCHAGFFLENECVSCS-----NCKKSLCTKLCIPQIENVKGTEDSGTVL 213  
QY 140 VALVSSL-LVFTLAFGLFELYCK---QFENRHC-----ORGILQFEADTKAKESLF 190  
DB 214 LPLVIFFGICLSLFTIGLMRYQRMKSKLISYVCGSTPEKEGELGTTTKPLAPNPSF 273  
QY 191 -----PVPPSKETSASQVSMAPGS-----LAQLFS 216  
DB 274 SPTPGFTPTLGFSPVPSSTFTSSS---TYTPGDCPNFAAPREVAPPYGADPILATATA 330  
QY 217 LDSVPPIPOOQ 226  
DB 331 SDPIPNPLOK 340

## RESULT 14

US-08-465-982-25  
Sequence 25, Application US/08465982  
Patent No. 5863786  
GENERAL INFORMATION:  
APPLICANT: M. Feldmann, P.W. Gray,  
APPLICANT: M.J.C. Turner, F.M. Brennan  
TITLE OF INVENTION: Modified human TNFalpha (Tumor  
TITLE OF INVENTION: Necrosis Factor alpha) Receptor  
NUMBER OF SEQUENCES: 57  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Reed & Robbins  
STREET: 635 Bryant Street  
CITY: Palo Alto  
STATE: California  
COUNTRY: USA  
ZIP: 94301  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/465,982  
FILING DATE:  
CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US/08/050,319  
FILING DATE: 10-MAY-1993  
ATTORNEY/AGENT INFORMATION:  
NAME: Robbins, Roberta L.  
REGISTRATION NUMBER: 33,208  
REFERENCE/DOCKET NUMBER: 5150-0030  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (415) 617-8999

TELEFAX: (415) 327-3231  
; INFORMATION FOR SEQ ID NO: 25:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 455 amino acids  
; TYPE: amino acid  
; TOPOLOGY: linear  
; MOLECULE TYPE: protein  
US-08-465-982-25

Query Match 11.4%; Score 145.5; DB 2; Length 455;  
Best Local Similarity 21.3%; Pred. No. 2.9e-06;  
Matches 66; Conservative 36; Mismatches 109; Indels 99; Gaps 14;

QY 3 COENEYWDGRCVTCQRCGPGQELSKDCYGEGBAYCTACPPRRYKSSMGH-HKCQSC 61  
DB 44 CPQGKYIHPQNNISICTCKHKGYLYNDGP-GPGQDIDCRECSGSFTASENHLRHCLSC 102  
QY 62 ITC-AVINRYQKYNCTATSNVAGDCLPFRYRK----- 93  
DB 103 SKCRKMGQVEISSCTVDRTVCG-CRKNQYRYWSENLEQCFNCISLCLNGTVHLSQCEK 161  
QY 94 -----TRIGG--LQDOECIPCTKOTPTSEVQCAFQSLVEADAPTVPOEAT-----L 139  
DB 162 QNTVCTCHAGFFLRNECVSCS-----NCKKSLCTKLCPLQIENVKGTEDSGTTVL 213  
QY 140 VALVSSL-LVVFETLAFGLFFLYCK---QFENRHC-----QRGILLQFEADTKAKESL 190  
DB 214 LPLVIFFGICLLSLFLIGLMYRQRMKSKLYIVCGKSTPEKEGELGGTTTKPLAPNPSF 273  
QY 191 -----PVPPSKETSASQVSNAPGS-----LAOLFS 216  
DB 274 SPTPGFTPLGFSPPVSTFTSS---TTPGDCPNFAPARRVAPPYOGADPLATATA 330  
QY 217 LDSVPIPOO 226  
DB 331 SDPIPNPQK 340

RESULT 15  
US-08-815-469-5  
; Sequence 5, Application US/08815469  
; Patent No. 6153402  
; GENERAL INFORMATION:  
; APPLICANT: Yu, Guo-liang  
; APPLICANT: Ni, Jian  
; APPLICANT: Dixit, Vishva  
; APPLICANT: Gentz, Reiner L.  
; APPLICANT: Dillon, Patrick J.  
; TITLE OF INVENTION: Death Domain Containing Receptors  
; NUMBER OF SEQUENCES: 17  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Sterne, Kessler, Goldstein & Fox, P.L.L.C.  
; STREET: 1100 New York Ave., NW, Suite 600  
; CITY: Washington  
; STATE: DC  
; COUNTRY: USA  
; ZIP: 20005-3934  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patent Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/815,469  
; FILING DATE: HERewith  
; CLASSIFICATION: 435  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: No. 6153402 Yet Assigned  
; FILING DATE: 06-FEB-1997  
; PRIOR APPLICATION DATA: US 60/028, 711  
; FILING DATE: 17-OCT-1996  
; PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 60/013,285  
; FILING DATE: 12-MAR-1996  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Steife, Eric K.  
; REGISTRATION NUMBER: 36,688  
; REFERENCE/DOCKET NUMBER: 1488.0310003/EKS/KRM  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 202-371-2600  
; TELEFAX: 202-371-2540  
; INFORMATION FOR SEQ ID NO: 5:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 455 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: not relevant  
; TOPOLOGY: not relevant  
; MOLECULE TYPE: protein  
US-08-815-469-5

Query Match 11.4%; Score 145.5; DB 4; Length 455;  
Best Local Similarity 21.3%; Pred. No. 2.9e-06;  
Matches 66; Conservative 36; Mismatches 109; Indels 99; Gaps 14;

QY 3 COENEYWDGRCVTCQRCGPGQELSKDCYGEGBAYCTACPPRRYKSSMGH-HKCQSC 61  
DB 44 CPQGKYIHPQNNISICTCKHKGYLYNDGP-GPGQDIDCRECSGSFTASENHLRHCLSC 102  
QY 62 ITC-AVINRYQKYNCTATSNVAGDCLPFRYRK----- 93  
DB 103 SKCRKMGQVEISSCTVDRTVCG-CRKNQYRYWSENLEQCFNCISLCLNGTVHLSQCEK 161  
QY 94 -----TRIGG--LQDOECIPCTKOTPTSEVQCAFQSLVEADAPTVPOEAT-----L 139  
DB 162 QNTVCTCHAGFFLRNECVSCS-----NCKKSLCTKLCPLQIENVKGTEDSGTTVL 213  
QY 140 VALVSSL-LVVFETLAFGLFFLYCK---QFENRHC-----QRGILLQFEADTKAKESL 190  
DB 214 LPLVIFFGICLLSLFLIGLMYRQRMKSKLYIVCGKSTPEKEGELGGTTTKPLAPNPSF 273  
QY 191 -----PVPPSKETSASQVSNAPGS-----LAOLFS 216  
DB 274 SPTPGFTPLGFSPPVSTFTSS---TTPGDCPNFAPARRVAPPYOGADPLATATA 330  
QY 217 LDSVPIPOO 226  
DB 331 SDPIPNPQK 340

Search completed: June 5, 2003, 14:00:35  
Job time: 16.2727 secs

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